

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1474	(257/330).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/02 11:32
S2	2	("5242845").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/01 17:47
S3	1	("55133574").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/01 17:51
S4	663	ichikawa.in. and nec.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 09:26
S5	1705	body and drain and trench same gate same sidewall	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 07:18
S6	219	body and drain and trench same gate same sidewall and trench same plug	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 07:19
S7	183	body and drain and trench same gate same sidewall same (insulat\$3 dielectric) and trench same plug\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 07:29

## EAST Search History

S8	104	body and drain and trench same gate same sidewall same (insulat\$3 dielectric) and trench same plug\$4 and @ad<"20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 08:29
S9	76	body and drain and vertical and trench same gate same sidewall same (insulat\$3 dielectric) and trench same plug\$4 and @ad<"20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 08:29
S10	22	body and drain and vertical near3 gate and trench same gate same sidewall same (insulat\$3 dielectric) and trench same plug\$4 and @ad<"20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 08:50
S11	4038	gate with sidewall with trench	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 11:20
S12	2748	gate with sidewall with trench same (dielectric insulat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 08:55
S13	1917	gate with sidewall with trench same (dielectric insulat\$3) and @ad<"20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 08:56
S14	96	vertical near3 gate with sidewall with trench same (dielectric insulat\$3) and @ad<"20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 11:39

## EAST Search History

S15	2	ichikawa.in. and nec.as. and 257/330.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 09:27
S16	2	("20050001258").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/05 14:18
S17	7836	trench same gate same sidewall	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 10:49
S18	1474	(257/330).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/02 11:33
S19	1127	S18 and trench and gate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 11:33
S20	613	S18 and trench and gate and sidewall	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 11:33
S21	460	S18 and trench same gate same sidewall	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 11:33

## EAST Search History

S22	405	S18 and trench same gate same sidewall and (insulating dielectric)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 11:33
S23	308	S18 and trench same gate same sidewall and (insulating dielectric) and (body base)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 11:35
S24	256	S18 and trench with gate with sidewall and (insulating dielectric) and (body base)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 11:36
S25	245	S18 and trench with gate with sidewall and (insulating dielectric) and (body base) and source	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 11:36
S26	182	S18 and vertical and trench with gate with sidewall and (insulating dielectric) and (body base) and source	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 11:37
S27	138	S18 and vertical and trench with gate with sidewall and (insulating dielectric) and (body base).and source and @ad<"20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 11:38
S28	131	S27 not S14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 13:42

## EAST Search History

S29	5	("2004055904").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/02 13:43
S30	638	(257/331).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/02 14:39
S31	458	(257/332).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/02 14:38
S32	269	(257/333).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/02 14:38
S33	530	(257/342).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/02 14:38
S34	420	(S30 S31 S32 S33) and trench and (gate electrode) and sidewall	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 14:40
S35	279	(S30 S31 S32 S33) and trench same (gate electrode) same sidewall	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 14:41

## EAST Search History

S36	230	(S30 S31 S32 S33) and trench same (gate electrode) same sidewall and @ad<"20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 14:41
S37	152	(S30 S31 S32 S33) and trench same (gate electrode) same sidewall and (insult\$3 dielectric) and @ad<"20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 14:58
S38	675	(438/259).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/02 14:58
S39	2074	(438/270).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/02 14:58
S40	393	(438/271).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/02 14:58
S41	504	(438/589).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/02 14:59
S42	244	(438/588).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/02 14:59

## EAST Search History

S43	503	(438/587).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/02 14:59
S44	353	(S38 S39 S40 S41 S42 S43) and trench and spac\$3 near3 etch\$3 and gate and sidewall	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 11:53
S45	66	(S38 S39 S40 S41 S42 S43) and trench and spac\$3 near3 etch\$3 and gate and sidewall and (insulat\$4 dielectric) and hard near3 mask\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 15:02
S46	332	(S38 S39 S40 S41 S42 S43) and trench and spac\$3 near3 etch\$3 and gate and sidewall and (insulat\$4 dielectric) and mask\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/02 15:02
S47	675	(438/259).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/05 11:54
S48	2074	(438/270).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/05 11:54
S49	393	(438/271).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/05 11:54

## EAST Search History

S50	504	(438/589).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/05 11:54
S51	244	(438/588).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/05 11:54
S52	503	(438/587).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/05 11:54
S53	249	(S47 S48 S49 S50 S51 S52) and trench and spac\$3 near3 etch\$3 and gate and sidewall and @ad<"20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 11:54
S54	242	(S47 S48 S49 S50 S51 S52) and trench and spac\$3 near3 etch\$3 and gate and sidewall and (insulat\$3 dielectric) and @ad<"20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 11:55
S55	230	(S47 S48 S49 S50 S51 S52) and trench and spac\$3 near3 etch\$3 and gate and sidewall and (insulat\$3 dielectric) and mask\$3 and @ad<"20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 12:03
S56	167	(S47 S48 S49 S50 S51 S52) and trench and spac\$3 near3 etch\$3 same gate and sidewall and (insulat\$3 dielectric) and mask\$3 and @ad<"20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 12:03

## EAST Search History

S57	105	(S47 S48 S49 S50 S51 S52) and trench and spac\$3 near3 etch\$3 same gate same (insulat\$3 dielectric) and sidewall and mask\$3 and @ad<"20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 12:10
S58	638	(257/331).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/05 12:10
S59	458	(257/332).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/05 12:10
S60	269	(257/333).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/05 12:10
S61	530	(257/342).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/05 12:10
S62	152	(S58 S59 S60 S61) and trench same (gate electrode) same sidewall and (insulat\$3 dielectric) and @ad<"20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 12:10
S63	101	S57 not S62	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 12:10

## EAST Search History

S64	2	("20060049453").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/05 14:18
S65	2	("6974720").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/05 17:38